



## Lane OCR for Ports and Terminals:

**Improve operations** with higher OCR rates and auto gate capabilities that interface with any Terminal Operating System. **Easy Installation & Maintenance** with all presence and triggering devices above the roadbed surface. **Continuous system diagnostics** with 24/7 remote monitoring using Comet's Remote System Monitoring system.

Comet's Lane OCR System utilizes the latest advances in LED Lighting and High Definition (HD) IP camera technology to capture high-quality **Container, Chassis and License Plate** images. Our system architecture is network based and utilizes POE (Power over Ethernet) for cameras and lane control equipment. The integral Lane Controller detects presence with Radar & Lidar sensors to coordinate lights and cameras to capture images. These ultra-high-resolution images are processed by Comet's state-of-the-art OCR engines to produce identification results at >95% accuracy and delivered in any standard file format.



## KEY Features:

- ✓ **>95% Accuracy** for Container (ISO6346), Chassis and License Plate OCR **without** using pre-advised lists or short lists to enhance the read rates.
- ✓ Chassis OCR processing utilizes 3 sides of the chassis (2-Sides and Back) to enhance the OCR yield, greatly improving "Auto Out" gate operations.
- ✓ Chassis OCR resolves the hard formats not just the standard 4 alpha/6 numeric formats. Supported formats include 4&5, 4&7, 3&6, 4&3, 1&5, 6&3, 6&2, 4&4, 3&4, 4&2, 1&7, 2&6 and many others.
- ✓ No canopy required – designed for industrial outdoor environments.
- ✓ Drive through operation with automatic detection of vehicle presence.
- ✓ No presence/Inductive loops required. Vehicle triggering and classification processed by LiDAR and Radar.
- ✓ High resolution IP cameras image entire lane width at the required resolution for accurate OCR results.
- ✓ Ethernet system architecture using standard networking equipment.
- ✓ Interfaces with Comet's Remote System Monitoring (RSM) allowing remote diagnostics and monitoring to keep the system running efficiently.
- ✓ White LED lighting for the container and chassis to obtain accurate color representation of character to background distinction on difficult color combinations.
- ✓ Infrared lighting for Front License Plate provides high-quality license plate images by rejecting direct light from vehicle headlights that causes a dark image or camera shut down.
- ✓ Easy interface to new or existing Terminal Operating Systems (TOS).
- ✓ Inspection image options available.



